

Notice of Allowability**Application No.**

10/699,968

Examiner

SHERROD KEATON

Applicant(s)

BOMERS, FLORIAN U.

Art Unit

2175

- The MAILING DATE of this communication appears on the cover sheet with the correspondence address-

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 1-03-2012.
2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on ____; the restriction requirement and election have been incorporated into this action.
3. ☒ The allowed claim(s) is/are 15,16,18,19,21-23 and 25-27.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date ____.
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 3-19-2012.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other ____.

/Sherrod Keaton/
Examiner, Art Unit 2175

/William Bashore/
Supervisory Patent Examiner, Art Unit 2175

DETAILED ACTION

This action is in response to the Appeal decision on 1-3-2012. Claims 15,16,18,19,21-23 and 25-27 are pending and have been considered below.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mike Murphy on 3-19-2012.

Please amend the claims as follows:

1-14. (Cancelled)

15. (Currently amended) The computer readable medium storing a computer program of claim [[14]]25, wherein the computer program comprises a WINDOWS-based program configured for execution on a WINDOWS-based PC.

16. (Currently amended) The computer readable medium storing a computer program of claim [[14]]25, wherein the program instructions to enable a user to select a type of input event to said PC from a plurality of input event types comprise program instructions to enable selection from a plurality of event types include two or more of mouse events, keyboard events, MIDI events, Universal Serial Bus device events, RS-232 serial bus events, game port events, audio input events, analog input events, and infrared port events.

17. (Cancelled)

18. (Currently amended) The computer readable medium storing a computer program of claim [[14]]25, wherein ~~the program instructions to perform a desired input event translation by processing the given input according to one or more input event translation rules if the given input event matches the selected type of input event~~ comprise program instructions to re-map said re-mapping comprises re-mapping input events of the selected type into input events of at least one other type.

19. (Currently amended) The computer readable medium storing a computer program of claim [[14]]25, wherein said translation function that modifies incoming input events according to one or more user-configured functions comprises program instructions to modify one or more event parameters of input events of the selected type.

20. (Cancelled)

21. (Currently amended) The computer readable medium storing a computer program of claim ~~[[1]]~~25, wherein including program instructions to define a translation function that modifies incoming input events according to one or more user-configured functions comprises including program instructions to modify one or more event parameters of the incoming input events.

22. (Original) The computer readable medium storing a computer program of claim 21, wherein the program instructions to modify one or more event parameters of the incoming input events comprise program instructions to apply a user-configured mathematical function at least to selected types of incoming input events.

23. (Original) The computer readable medium storing a computer program of claim 21, wherein the program instructions to modify one or more event parameters of the incoming input events comprise program instructions to apply a user-configured mathematical scaling to one or more event parameters of a user-selected type of incoming input event, to thereby create corresponding translated input events of the same user-selected type, but with one or more scaled event parameters.

24. (Cancelled)

25. (New) A computer readable medium storing a computer program, the computer program configured for execution on a personal computer (PC) and comprising:
- program instructions to enable a user to select a type of input event to said PC from a plurality of input event types;
 - program instructions to determine whether a given input event to said PC occurring during execution of the computer program by said PC matches the selected type of input event; and
 - program instructions to perform a desired input event translation by processing the given input according to one or more input event translation rules if the given input event matches the selected type of input event, said desired input event translation including a translation function that modifies incoming input events according to one or more user-configured functions;
- wherein the program instructions to perform a desired input event translation by processing the given input according to one or more input event translation rules if the given input event matches the selected type of input event comprise program instructions to perform one or more of a plurality of translations comprising a re-mapping of the given input event type to one or more other input event types, a time-delay of the given input event, a parameter modification of the given input event, a swallowing of the given input event to hide it from one or more other computer processes,

and a swallowing of the given input event to hide it from additional event translation processing.

26. (New) A computer readable medium storing a computer program, the computer program configured for execution on a personal computer (PC) and comprising:
- program instructions to enable a user to select a type of input event to said PC from a plurality of input event types;
 - program instructions to determine whether a given input event to said PC occurring during execution of the computer program by said PC matches the selected type of input event; and
 - program instructions to perform a desired input event translation by processing the given input according to one or more input event translation rules if the given input event matches the selected type of input event, said desired input event translation including a translation function that modifies incoming input events according to one or more user-configured functions;
- wherein the program instructions to perform a desired input event translation by processing the given input according to one or more input event translation rules if the given input event matches the selected type of input event comprise program instructions to time-delay input events of the selected type according to a desired time delay value.

27. (New) A computer readable medium storing a computer program, the computer program configured for execution on a personal computer (PC) and comprising:

program instructions to enable a user to select a type of input event to said PC from a plurality of input event types;

program instructions to determine whether a given input event to said PC occurring during execution of the computer program by said PC matches the selected type of input event; and

program instructions to perform a desired input event translation by processing the given input according to one or more input event translation rules if the given input event matches the selected type of input event, said desired input event translation including a translation function that modifies incoming input events according to one or more user-configured functions;

wherein the program instructions program instructions to perform a desired input event translation by processing the given input according to one or more input event translation rules if the given input event matches the selected type of input event comprise program instructions to swallow the given input event to hide it from one or more other computer processes, or to swallow the given input event to hide it from additional event translation processing.

2. Claims 15, 16, 18, 19, 21-23 and 25-27 are allowed.

Inquires

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SHERROD KEATON whose telephone number is (571)270-1697. The examiner can normally be reached on Mon. thru Fri. alternating Fri. off (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Bashore can be reached on 571-272-4088. The fax phone number for the organization where this application or proceeding is assigned is 571-273-3800.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

SLK

3-19-2012

/William Bashore/

Supervisory Patent Examiner, Art Unit 2175